

# TOSHIBA

## Satellite® M35 Special Edition

### Feature Model(s):

#### Satellite M35-S456

Pentium M 735/15.4" WXGA CSV/512MB/80GB/DVD SuperMulti/ Mdm/LAN/Wi-Fi/WinXP Home

#### Satellite M35-S4561

Pentium M 735/15.4" WXGA CSV/512MB/80GB/DVD SuperMulti/ Mdm/LAN/Wi-Fi/WinXP Pro

### Part Numbers

PSM33U-001001

PSM33U-001003

## Product Highlights

### Performance

- Intel® Centrino™ mobile technology
  - Intel® Pentium® M processor 735
  - Intel® 855PM chipset
  - Intel® PRO/Wireless 2200BG
- 512MB of Main Memory

### Slim Design

- 80GB\*\* hard disk drive
- DVD SuperMulti drive

### Great Features

- 15.4" WXGA active-matrix screen display\*\*\* with TruBrite™ Screen Technology
- High-Quality Video Engine
- NVIDIA® GeForce™ FX Go5200 graphics controller; 64MB DDR SDRAM external video memory
- Composite Monitor-IN port

### Get On-Line

- Integrated V.92/56K modem
- Integrated 10/100 Ethernet LAN
- Integrated 802.11b/g Wireless LAN module

- 1280 x 800 16bit/32bit 60/75/85/100Hz
- 1600 x 1200; 16bit/32bit 60/75/85/100Hz
- 1920 x 1440; 16bit/32bit 60/75Hz
- 2048 x 1536; 16bit/32bit 60/75Hz

### Brightness NIT (cd/m²)

- Level 8; 220
- Level 7; 200
- Level 6; 165
- Level 5; 125
- Level 4; 90
- Level 3; 50
- Level 2; 20
- Level 1; 10

### Contrast Ratio: 300:1

### High quality Video Engine (HVE):

- Black extension, White extension, Sharpness, LCD Over Drive, Edge Enhancement (only Monitor-IN), 3D-Comb filter (only Monitor-IN), Noise Reduction (only Monitor-IN), 10-bit AD Converter (only Monitor-IN), NTSC/PAL Video decoder (use for Monitor-IN)

## System Characteristics

### Operating System

- Microsoft® Windows XP Home pre-installed (M35-S456)
- Microsoft® Windows XP Pro pre-installed (M35-S4561)

### CPU/Chipset information

- Intel® Pentium® M processor 735\*
  - (1.70GHz, 2MB L2 Cache, 400MHz Front Side Bus)
- Intel® 855PM Chipset
- Intel® PRO/Wireless 2200BG

### Memory

- 512MB DDR SDRAM (Both slots may be occupied at time of purchase), expandable to 2048MB (2 DIMM)
- Optional available expansion memory modules: 256MB/512/1028MB, SODIMM: Memory compatible with PC2100 DDR266 and PC2700 DDR333 Data/Address Bus Width: 64bit/32bit

### Mass Storage - HDD/Optical Drive

- Primary Hard Disk Drive:** 80GB\*\* hard disk drive, Enhanced IDE (ATA-5) interface, 4200rpm drive rotation; 9.5mm height, 0.2lbs, Service Removable
- DVD Super Multi drive:** 12.7mm, Enhanced IDE Interface; service removable  
**Maximum speed:** CD-ROM(24x), CD-R(16x), CD-RW(8x), DVD-ROM(8x), DVD-R(4x), DVD-RW(2x), DVD+R(2.4x), DVD+RW(2.4x), DVD-RAM(2x)  
**Compatibility:** CD-ROM(read), CD-R(read/write), CD-RW(read/write), DVD-ROM(read), DVD-R(read/write), DVD-RW(read/re-write), DVD+R(read/write), DVD+RW(read/write), DVD-RAM(read/re-write)

### Graphics/Video

- 15.4" WXGA\*\*\* active-matrix display with TruBrite Screen Technology; internal display supports up to 16M colors at 1280 x 800 internal LCD resolution
- NVIDIA® GeForce™ FX Go5200 graphics controller with 64MB DDR SDRAM external video memory, AGP 4X interface
- Supported external Resolution/color/maximum external refresh rate:**

640 x 480	16bit/32bit	60/75/85/100Hz
800 x 600	16bit/32bit	60/75/85/100Hz
1024 x 768	16bit/32bit	60/75/85/100Hz
1280 x 1024	16bit/32bit	60/75/85/100Hz

### Sound

- STAC9750TG Codec Chip; Software Sound; 16-bit stereo, full duplex support, AC'97 Rev2.2 compatible
- Built-in harman/kardon stereo speakers
- Built-in Microphone (monaural); Direct 3D Sound (supported by driver), DirectSound (supported by driver) and DirectMusic (supported by driver); MIDI (playback) Support; Sound Volume (by Dial);
- Ports: External Microphone port (monaural), Headphone port (stereo), Line-in port (shared with Monitor-IN)

### Input Devices

- Keyboard:** Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® keys support; HotKey function; Integrated TouchPad pointing device with Scroll function (by software on Touchpad)
- CD Control Function:** Mode Control Switch (CD/DVD/Digital Audio), Skip to Previous Track, Play, Stop, Skip to Next Track
- Express Media Player button
- TV-out button
- Monitor-IN button

### Expandability

- 2 Memory slots – Both slots may be occupied at time of purchase
- 1 PC Card slot supports 1 Type II PC Card

### Communications

- Integrated V.92/56K modem; Data and fax support  
*Due to FCC limitations, speeds of 53kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.*
- Integrated 10/100 Ethernet LAN
- Integrated Wireless LAN (Intel 802.11b/g)

### Ports

- Composite In (Monitor-IN) port
- RGB (monitor) port
- 4 Universal Serial Bus ports (USB)
- TV-Out (S-Video)
- RJ-45 LAN Port
- RJ-11 modem port
- i.LINK™ (IEEE 1394)
- Secure Digital® (SD) card slot
- Line-In port

### Physical Description

- Dimensions (LxWxH): 14.2" x 10.6" x 1.4"
- Weight: 6.17 lbs\*\*\*\*
- LED Indicators:** Power (common with Power/System Sleep)

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Status, in front), Power Save Mode (with ACPI-OS, common to Power), DC-IN (dedicated, in front, orange/blue light), Primary Hard Disk Drive (dedicated, in front, blue light), CD/DVD-ROM access (dedicated, in front, blue light), Caps Lock (dedicated, including Keyboard), Arrow mode (dedicated, including Keyboard), Numeric mode (dedicated, including Keyboard), Main battery charging status (in front, orange/blue light), System Sleep/Suspend status (common with Power/System Sleep Status, in front), Wireless Communication (for Wireless LAN, in front), SD Card (dedicated, in front, blue light), DVD/CD mode (common with Monitor-IN mode status, in front, blue light), Digital Audio mode (common with Monitor-IN mode status, in front, blue light), Monitor-IN mode (Common with DVD/CD mode/Digital Audio mode status, in front blue light)

## Power Supply

- AC Adapter: 60W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 15V x 4A Output. Dimensions (LxWxH): 4.51" x 1.95" x 1.14"
- Weight: 0.58lbs\*\*\*\*
- Battery Pack: 6-cell, rechargeable, removable Lithium Ion (Li-Ion) battery; 4400mAh  
Dimensions (LxWxH): 7.95" x 1.73" x 0.87"  
Weight: 0.73lbs\*\*\*\*
- Battery Saver (in Windows XP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Battery life\*\*\*\*\* (Main Battery): 3:05Hrs (Measured by MobileMark™)
- Recharge time (main off/on): 4-11H/3 (off/on)

*Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at <http://www.accessories.toshiba.com>*

## Security

- Slot for computer lock, Main Battery Pack (sliding lock), Main HDD (by 1 screw), memory (by 2 screws), User Power-on password, Supervisor Password, HDD password (for Primary HDD, By help of HDD password setup utility), Keyboard Lock (by Hotkey), Screen Blank (by Hotkey), Screen Saver (by software)

## Bios

- TSETUP, ACPI (Ver.1.0b), VESA, DPMS, DDC, SM BIOS (Ver.2.3), PCI BIOS support (Ver.2.1)
- Boot Device: USB FDD, Primary HDD, ODD, Network(LAN), PC Card

## Additional Software

- Express Media Player\*\*\*\*\*
- Microsoft® Works®
- Microsoft® Office® OneNote™ 2003
- Software Decoder: InterVideo® (Win-DVD™ 4) -w/SRS TruSurround XT® Technology  
(SRS TruSurround XT® Technology features: TruSurround, SRS Dialog Clarity Enhancement, & TruBass)
- InterVideo® WinDVD™ Creator
- Sonic® Solutions Drive Letter Access (DLA)
- Sonic® Solutions RecordNow!™ Basic
- ArcSoft® ShowBiz® DVD Version 1.3
- AT&T® Worldnet® Service – 1 Month FREE
- Intuit® Quicken® New User Edition 2004
- Norton® AntiVirus™ 2004 – w/3-Month Subscription
- AOL® (3 –Month offer)  
*AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, age 18 or older; a major credit card or checking account is required.*
- Adobe® Acrobat Reader
- QuickTime™ Player
- RealOne™ Player 8 Basic
- Microsoft Internet Explorer
- Napster® music software

## Toshiba Software

- Toshiba Notebook Maximizer
- Toshiba Speech System
- Toshiba ConfigFree™ software

- Toshiba Custom Utilities
- Toshiba Control
- Toshiba Touch and Launch
- Toshiba Zooming Utility

## Warranty

- 1 year parts, labor and battery limited warranty

## SelectServ® Warranty Programs

- Warranty Extension to 3 Years SWP-PEQQ3V
- 3 Year SystemGuard SWP-PEGQ3V
- 3 Year Depot Express SWP-PEQX3V
- 3 Year Business On-Site Repair; Next Day Business Day Response SWP-PEQN3V
- 3 Year SystemGuard + Depot Express SWP-PEGX3V
- 3 Year SystemGuard + Business On Site Repair, Next Business Day Response SWP-PEGN3V

## Environmental Specifications

- Temperature:** Operating: 5° to 35°C (41° to 95°F); Non-operating: -20° to 65°C (-4° to 149°F)
- Maximum thermal gradient:** Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- Relative Humidity:** Operating: 20% to 80%; Non-operating: 10% to 90%
- Altitude (relative to sea level):** Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- Shock:** Operating: 7G, 1.5G when CD/DVD-ROM installed; Non-operating: 60G
- Vibration:** Operating: 0.2G, 0.25G when CD/DVD-ROM installed; Non-operating: 1.0G

## Selected Accessories

Category	Part Number	Description
AC Adapter	PA3283U-2ACA	Toshiba 75W Global AC adapter
Battery	PA3331U-1BRS	Toshiba Primary Li Ion Battery (6 cell)
Battery	PA3332U-1BRS	Toshiba Primary Li Ion High Capacity Battery (12 cell)
Charger	PA3091U-1CHG	Toshiba Battery Charger w/integrated AC adapter
FDD	PA3109U-1FDD	Toshiba USB Floppy Drive Kit
Input	PA1336U-1NKB	Toshiba USB Keyboard
Input	PA1337U-1NMS	Toshiba USB Optical Scroller Mouse
USB Mini Hub	PA1368U-1NHB	Toshiba USB 2.0 4-Port Mini Hub
Cases	PA1362U-1NCS	Toshiba BackPack (15.4")
Cases	PA1360U-1NCS	Toshiba Nylon Case (15.4")
Cases	PA1361U-1NCS	Toshiba Executive Leather Case (15.4")
Security	NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock
SD Bluetooth	PA3271U-1BTM	Toshiba Bluetooth SD Card
Storage & Back-up	HDD1232CZP41002	Toshiba 5GB Type II PC Card HDD w/Back-up software
Memory Upgrade	KTT3311/256	Kingston PC2100/PC2700, 256MB DDR
Memory Upgrade	KTT3311/512	Kingston PC2100/PC2700, 512MB DDR
Memory Upgrade	KTT3311/1G	Kingston PC2100/PC2700, 1GB DDR
SD Memory	SD-M6403B3	Toshiba 64MB SD (Secure Digital)
SD Memory	SD-M1283B3	Toshiba 128MB SD (Secure Digital)
SD Memory	SD-M2564B3	Toshiba 256MB SD (Secure Digital)
SD Memory	SD-M5124B3	Toshiba 512MB SD (Secure Digital)
Storage & Back-up	UABS2-60.0	CMS ABSplus 60GB USB 2.0 Auto Backup System
Storage & Back-up	UABS2-80.0	CMS ABSplus 80GB USB 2.0 Auto Backup System

\* Go to [www.accessories.toshiba.com](http://www.accessories.toshiba.com) for additional, available accessories

\*Central Processing Unit ("CPU") Performance Disclaimer: CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86° F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at [www.pcsupport.toshiba.com](http://www.pcsupport.toshiba.com) for details).

CPU performance may also vary from specifications due to design configuration.

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Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

**\*\*Hard Drive Capacity.** 1 Gigabyte (GB) means 1000 x 1000 x 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 x 1024 x 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

**\*\*\*TFT Disclaimer.** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

**\*\*\*\*Weight** may vary depending on product configuration, vendor components, manufacturing variability and options selected.

**\*\*\*\*\* MobileMark** is a trademark of the Business Applications Performance Corporation. Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at [accessoryfinder.toshiba.com](http://accessoryfinder.toshiba.com).

**\*\*\*\*\*The following media formats are not supported by Express Media Player:** Video CD, DVD-Audio, +-V, or DTS, SDDS audio streams

Duplicated DVD discs may not play with Express Media Player. In addition, if any of the media are scratched or dirty, or not in compliance with standards, they may not play properly. In either instance, power on your computer and us WinDVD™ to play DVDs.

## Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

## Subject to Change

While Toshiba has made very effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component/options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at [pcsupport.toshiba.com](http://pcsupport.toshiba.com)

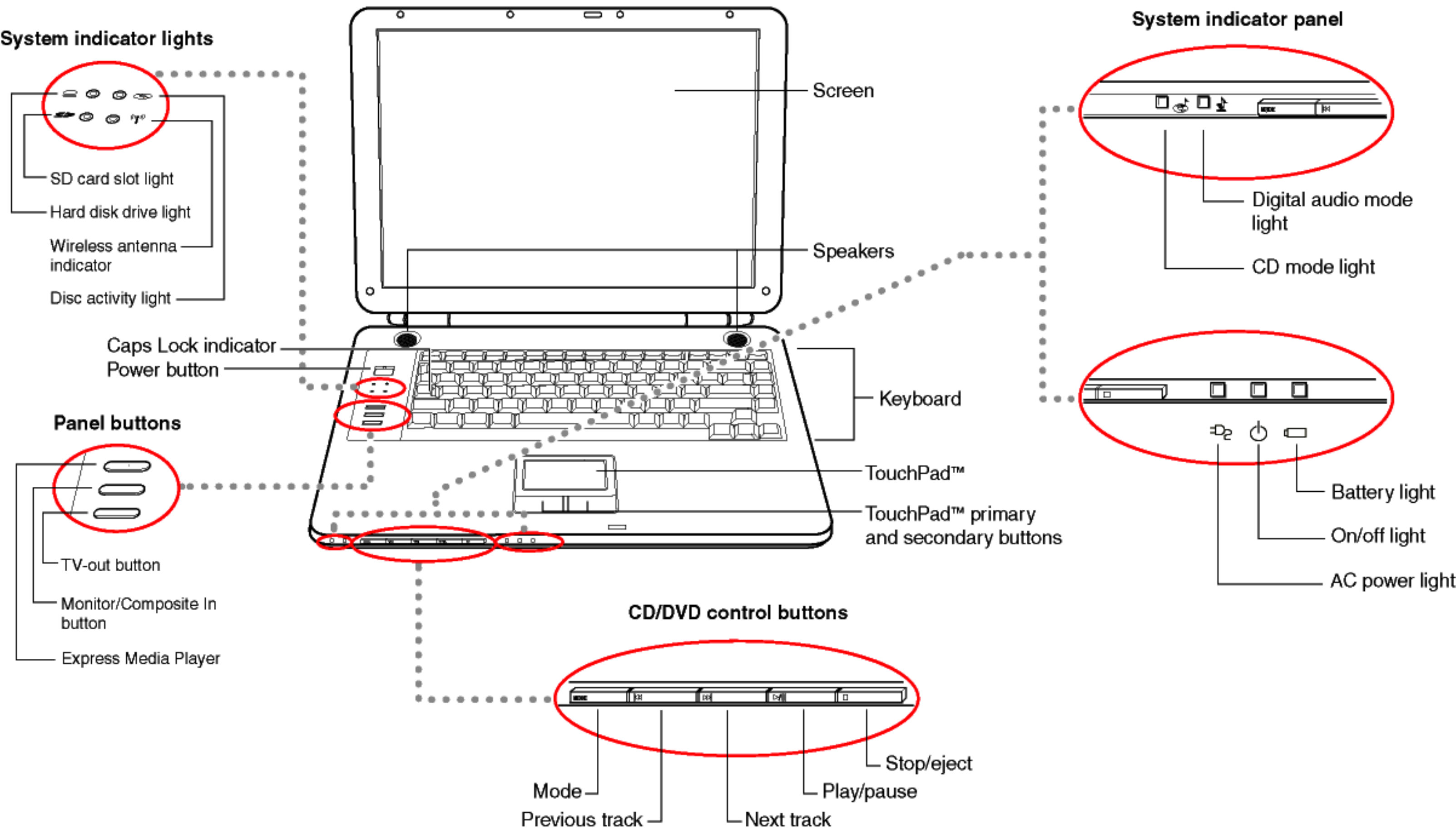
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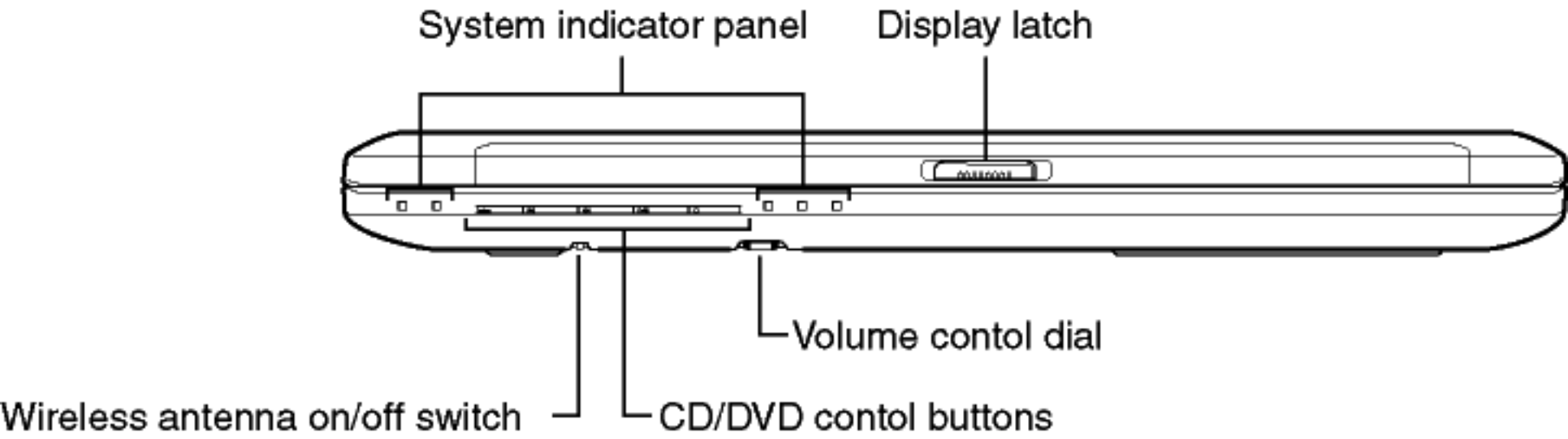
Battery Life	Catalog Spec (1st)	03:05(4400mAh) / 06:22(8800mAh)	03:08(4400mAh) / 06:22(8800mAh)	03:19(4400mAh) / 06:32(8800mAh)
	(1st+2nd)	-	-	-
	BenchMark Score	210 / 212	189 / 191	161 / 161
	Number of Conditioning Phase	1	1	1
	Life Test Run	3	3	3
CPU Name		Intel® Pentium® M Processor 745	Intel® Pentium® M Processor 735	Intel® Pentium® M Processor
Processor info	speed	1.8GHz	1.7GHz	1.6GHz
	number of processors	1	1	1
amount of RAM	1024MB+1024MB		512MB+0MB	512MB+0MB
Amount of secondary RAM cache	2MB(L2 RAM Cache)		2MB(L2 RAM Cache)	1MB(L2 RAM Cache)
Battery	type(1st)	Li-Ion	Li-Ion	Li-Ion
		10.8V x 4400mAh / 10.8V x 8800mAh	10.8V x 4400mAh / 10.8V x 8800mAh	10.8V x 4400mAh / 10.8V x 8800mAh
	model number(1st)	PA3331U / PA3332U	PA3331U / PA3332U	PA3331U / PA3332U
	type(2nd)	-	-	-
		-	-	-
	model number(2nd)	-	-	-
	number of batteries	1st = one, 2nd = no	1st = one, 2nd = no	1st = one, 2nd = no
Graphics	nVIDIA® GeForce FX GO 5200		nVIDIA® GeForce FX GO 5200	nVIDIA® GeForce FX GO 5200
amount and type of RAM	64MB	64MB	64MB	64MB
	DDR	DDR	DDR	DDR
graphics driver name and version	6.14.10.5763		6.14.10.5763	6.14.10.5763
graphics resolution and color depth, refresh rate	15.4" 1280 x 800 / 16bit / 60Hz		15.4" 1280 x 800 / 16bit / 60Hz	15.4" 1280 x 800 / 16bit / 60Hz
hard disk capacity	80 GB(5400rpm)		80 GB(4200rpm)	80 GB(4200rpm)
hard disk file system & transfer mode	EnhancedIDE(ATA-6)		EnhancedIDE(ATA-6)	EnhancedIDE(ATA-6)
hard disk controller model	Intel® 82801DBM Ultra ATA Storage Controller - 24CA		Intel® 82801DBM Ultra ATA Storage Controller - 24CA	Intel® 82801DBM Ultra ATA Storage Controller - 24CA
size of hardware cache if any	N/A		N/A	N/A
operating system version, service pack	WindowsXP HE		WindowsXP HE	WindowsXP HE
other special conditions	N/A		N/A	N/A
BIOS version	V1.00		V1.00	V1.00
Power management setting	another worksheet(=PowerSaveSetting)		another worksheet(=PowerSaveSetting)	another worksheet(=PowerSaveSetting)

			Full Power	High Power	Normal	Long Life	MobileMark2002
Basic Setup	Power Usage settings	Screen brightness	Level 8 (fixed by default - independent on the rest of a charged battery)	Level 4 (fixed by default - independent on the rest of a charged battery)	Change dependent on the rest of a charged battery	Level 1 (fixed by default - independent on the rest of a charged battery)	Level 4 (fixed by default - independent on the rest of a charged battery)
			-	-	Level 4	-	-
			-	-	Level 4	-	-
			-	-	Level 2	-	-
			-	-	Level 2	-	-
			-	-	Level 2	-	-
		CPU control method	Fixed	Fixed	Automatic	Fixed	Automatic
		Processor speed	Level Max	Level Max	Level 3 - Max	Level 3	Level 3 - Max
	Power Down settings	Cooling Method	Maximum Performance	Maximum Performance	Maximum Performance	Battery Optimized	Maximum Performance
		Monitor Power OFF	10 minutes	5 minutes	3 minutes	1 minutes	Disable
		HDD Power OFF	10 minutes	5 minutes	3 minutes	1 minutes	3 minutes
		System standby	15 minutes	10 minutes	5 minutes	5 minutes	Disable
		System hibernation	Disable	Disable	Disable	Disable	Disable
		When I press the power button	Shut down	Shut down	Shut down	Shut down	Shut down
		When I close the lid	No Action	No Action	No Action	No Action	No Action
Setup Action	Manual Setup	Prompt for password when resuming from Standby or Hibernation	Disable	Disable	Disable	Disable	Disable
		Low Battery Alarm Action	Enable	Enable	Enable	Enable	Disable
		Alarm level	10%	10%	10%	10%	-
	Setup Alarm	Notification method	Message	Message	Message	Message	-
		Action after alarm	No Action	No Action	No Action	No Action	-
		Run program	Disable	Disable	Disable	Disable	-
		Critical Battery Alarm Action	Enable	Enable	Enable	Enable	Disable
		Alarm level	2%	2%	2%	2%	-
		Notification method	Message	Message	Message	Message	-
		Action after alarm	No Action	No Action	No Action	No Action	-
		Run program	Disable	Disable	Disable	Disable	-
			Off	Off	Off	Off	Off
Wireless Network	Wireless Communication Switch		Off	Off	Off	Off	Off
Display	nVIDIA GeForce FX Go5200 32M/64M						
	PowerMizer	AC Outlet	Maximum Performance	Maximum Performance	Maximum Performance	Maximum Performance	Maximum Performance
		Battery	Maximum Performance	Maximum Performance	Maximum Performance	Maximum Performance	Maximum Performance

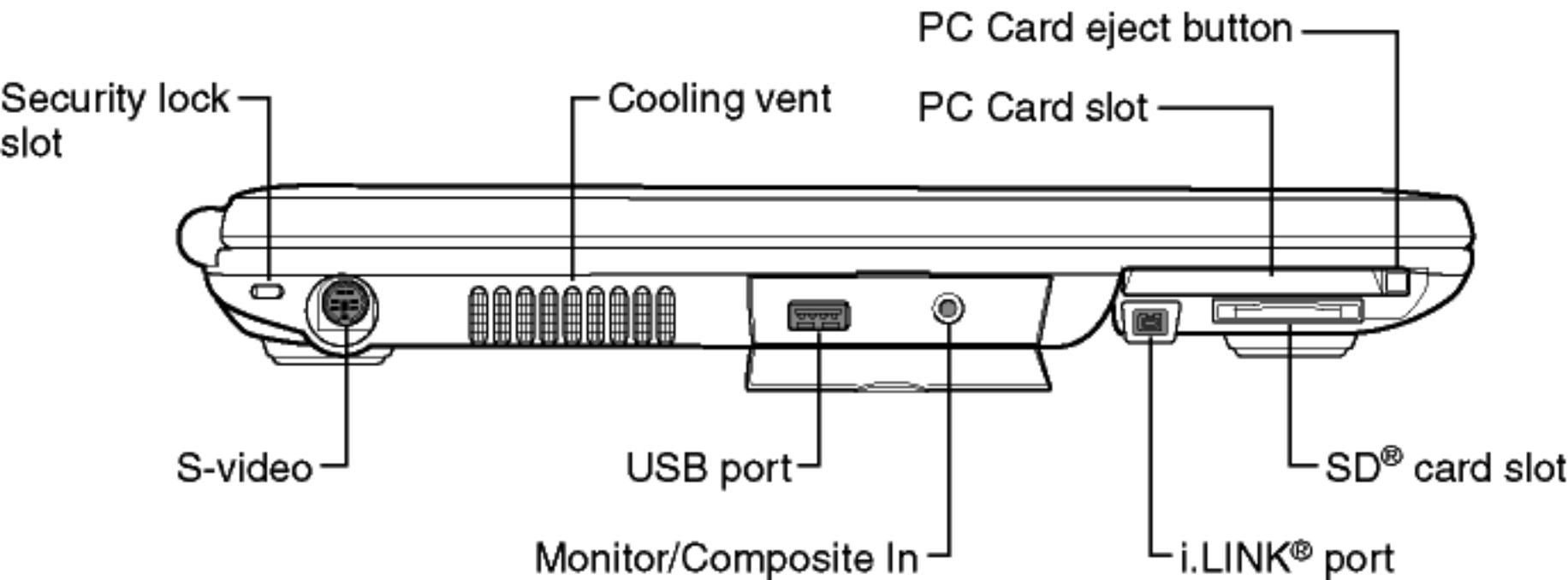
# Front with display open



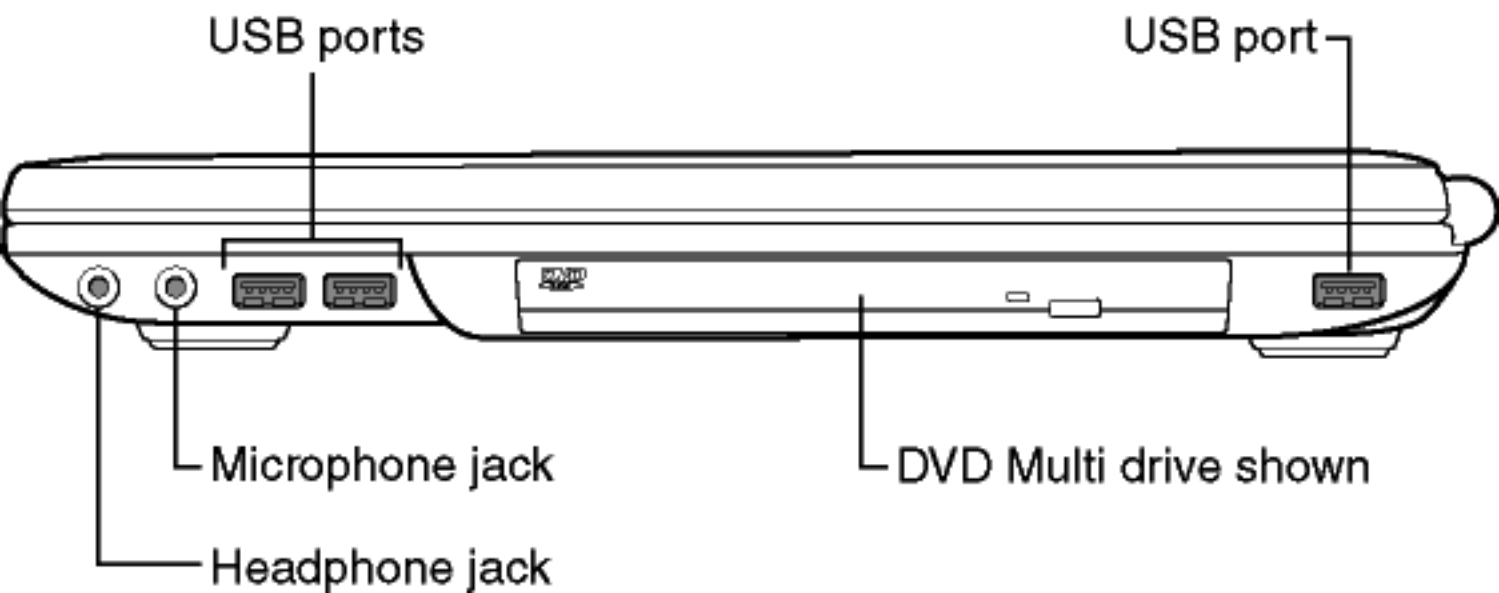
# Front with display closed



# Left side

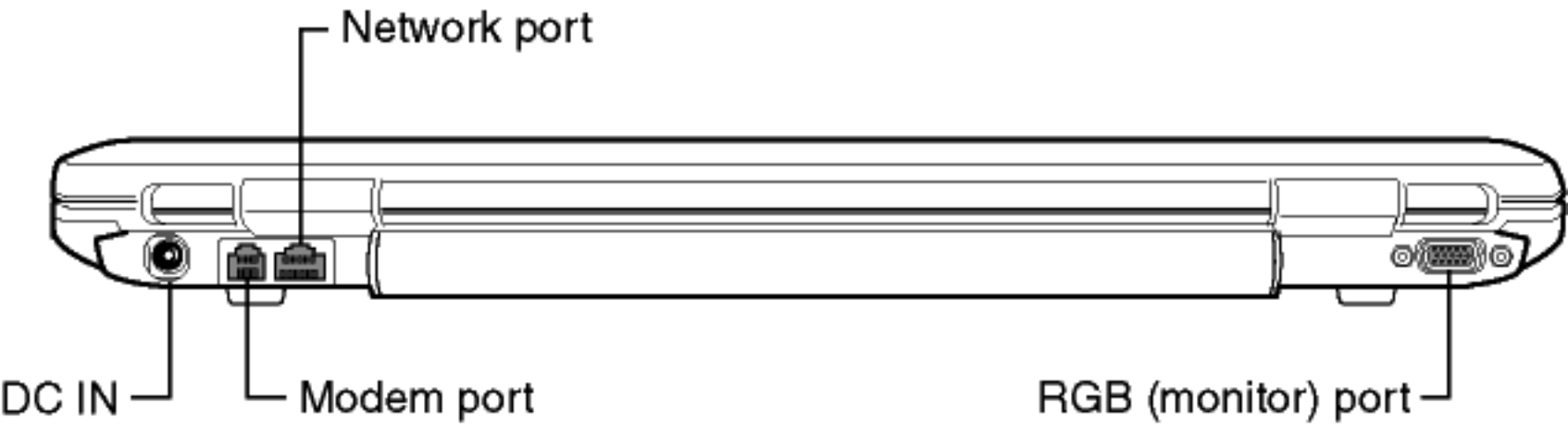


# Right side





# Back



# Underside

